Michael F Hughes

List of Publications by Year
in descending order

65	5,559	136885	123376
papers	citations	32 h-index	61 g-index

66	66	66	6610
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Arsenic toxicity and potential mechanisms of action. Toxicology Letters, 2002, 133, 1-16.	0.4	1,355
2	Arsenic Exposure and Toxicology: A Historical Perspective. Toxicological Sciences, 2011, 123, 305-332.	1.4	1,009
3	Biomarkers of Exposure: A Case Study with Inorganic Arsenic. Environmental Health Perspectives, 2006, 114, 1790-1796.	2.8	227
4	The Next Generation Blueprint of Computational Toxicology at the U.S. Environmental Protection Agency. Toxicological Sciences, 2019, 169, 317-332.	1.4	225
5	A concise review of the toxicity and carcinogenicity of dimethylarsinic acid. Toxicology, 2001, 160, 227-236.	2.0	190
6	In Vitro Metabolism of Pyrethroid Pesticides by Rat and Human Hepatic Microsomes and Cytochrome P450 Isoforms. Drug Metabolism and Disposition, 2009, 37, 221-228.	1.7	161
7	Relative Bioavailability and Bioaccessibility and Speciation of Arsenic in Contaminated Soils. Environmental Health Perspectives, 2011, 119, 1629-1634.	2.8	156
8	Disruption of the Arsenic (+3 Oxidation State) Methyltransferase Gene in the Mouse Alters the Phenotype for Methylation of Arsenic and Affects Distribution and Retention of Orally Administered Arsenate. Chemical Research in Toxicology, 2009, 22, 1713-1720.	1.7	145
9	Accumulation and metabolism of arsenic in mice after repeated oral administration of arsenate. Toxicology and Applied Pharmacology, 2003, 191, 202-210.	1.3	141
10	Identification of Rat and Human Cytochrome P450 Isoforms and a Rat Serum Esterase That Metabolize the Pyrethroid Insecticides Deltamethrin and Esfenvalerate. Drug Metabolism and Disposition, 2007, 35, 1664-1671.	1.7	122
11	The use of biomonitoring data in exposure and human health risk assessment: benzene case study. Critical Reviews in Toxicology, 2013, 43, 119-153.	1.9	107
12	Evaluating In Vitro-In Vivo Extrapolation of Toxicokinetics. Toxicological Sciences, 2018, 163, 152-169.	1.4	98
13	Species Differences in the in Vitro Metabolism of Deltamethrin and Esfenvalerate: Differential Oxidative and Hydrolytic Metabolism by Humans and Rats. Drug Metabolism and Disposition, 2006, 34, 1764-1771.	1.7	92
14	Physiologically Based Pharmacokinetic Modeling of Deltamethrin: Development of a Rat and Human Diffusion-Limited Model. Toxicological Sciences, 2010, 115, 330-343.	1.4	79
15	Superoxide and peroxyl radical generation from the reduction of polyunsaturated fatty acid hydroperoxides by soybean lipoxygenase. Archives of Biochemistry and Biophysics, 1991, 290, 153-159.	1.4	75
16	Comprehensive analysis of arsenic metabolites by pH-specific hydride generation atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2004, 19, 1460-1467.	1.6	69
17	In vitro intestinal toxicity of copper oxide nanoparticles in rat and human cell models. Nanotoxicology, 2019, 13, 795-811.	1.6	64
18	Arsenic (+3 oxidation state) methyltransferase genotype affects steady-state distribution and clearance of arsenic in arsenate-treated mice. Toxicology and Applied Pharmacology, 2010, 249, 217-223.	1.3	63

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19	Dose-Dependent Disposition of Sodium Arsenate in Mice Following Acute Oral Exposure. Fundamental and Applied Toxicology, 1994, 22, 80-89.	1.9	62
20	Liberation and analysis of protein-bound arsenicals. Biomedical Applications, 1996, 677, 161-166.	1.7	59
21	A Pharmacokinetic Model of cis- and trans-Permethrin Disposition in Rats and Humans With Aggregate Exposure Application. Toxicological Sciences, 2012, 130, 33-47.	1.4	58
22	Correlation of tissue concentrations of the pyrethroid bifenthrin with neurotoxicity in the rat. Toxicology, 2011, 290, 1-6.	2.0	56
23	A comprehensive framework for evaluating the environmental health and safety implications of engineered nanomaterials. Critical Reviews in Toxicology, 2017, 47, 771-814.	1.9	54
24	Epoxidation of 7,8-dihydroxy-7,8-dihydrobenzo[a]pyrene via a hydroperoxide-dependent mechanism catalyzed by lipoxygenases. Carcinogenesis, 1989, 10, 2075-2080.	1.3	51
25	In vitro dermal absorption of flame retardant chemicals. Food and Chemical Toxicology, 2001, 39, 1263-1270.	1.8	50
26	Tissue dosimetry, metabolism and excretion of pentavalent and trivalent monomethylated arsenic in mice after oral administration. Toxicology and Applied Pharmacology, 2005, 208, 186-197.	1.3	49
27	Environmentally Relevant Mixtures in Cumulative Assessments: An Acute Study of Toxicokinetics and Effects on Motor Activity in Rats Exposed to a Mixture of Pyrethroids. Toxicological Sciences, 2012, 130, 309-318.	1.4	49
28	In vitro dermal absorption of pyrethroid pesticides in human and rat skin. Toxicology and Applied Pharmacology, 2010, 246, 29-37.	1.3	48
29	Tissue dosimetry, metabolism and excretion of pentavalent and trivalent dimethylated arsenic in mice after oral administration. Toxicology and Applied Pharmacology, 2008, 227, 26-35.	1.3	47
30	Dose-dependent effects on tissue distribution and metabolism of dimethylarsinic acid in the mouse after intravenous administration. Toxicology, 2000, 143, 155-166.	2.0	44
31	Strain-dependent disposition of inorganic arsenic in the mouse. Toxicology, 1999, 137, 95-108.	2.0	33
32	A Physiologically based Pharmacokinetic Model for Intravenous and Ingested Dimethylarsinic Acid in Mice. Toxicological Sciences, 2008, 104, 250-260.	1.4	33
33	Peroxidase-catalyzed oxidation of (bi)sulfite: reaction of free radical metabolites of (bi)sulfite with (Â±)-7,8-dihydroxy-7,8-di-hydrobenzo[a]pyrene. Carcinogenesis, 1988, 9, 2015-2021.	1.3	31
34	Assessment of the in vitro dermal irritation potential of cerium, silver, and titanium nanoparticles in a human skin equivalent model. Cutaneous and Ocular Toxicology, 2017, 36, 145-151.	0.5	27
35	Dose and Effect Thresholds for Early Key Events in a PPARÎ±-Mediated Mode of Action. Toxicological Sciences, 2016, 149, 312-325.	1.4	26
36	Environmentally relevant mixing ratios in cumulative assessments: A study of the kinetics of pyrethroids and their ester cleavage metabolites in blood and brain; and the effect of a pyrethroid mixture on the motor activity of rats. Toxicology, 2014, 320, 15-24.	2.0	25

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37	Identification of methylated metabolites of inorganic arsenic by thin-layer chromatography. Biomedical Applications, 1995, 668, 21-29.	1.7	24
38	Assessing the Bioavailability and Risk from Metal-Contaminated Soils and Dusts. Human and Ecological Risk Assessment (HERA), 2014, 20, 272-286.	1.7	23
39	Estimation of tetrabromobisphenol A (TBBPA) percutaneous uptake in humans using the parallelogram method. Toxicology and Applied Pharmacology, 2015, 289, 323-329.	1.3	22
40	Research approaches to address uncertainties in the risk assessment of arsenic in drinking water. Toxicology and Applied Pharmacology, 2007, 222, 399-404.	1.3	21
41	Arsenic Methylation, Oxidative Stress and Cancer--Is There a Link?. Journal of the National Cancer Institute, 2009, 101, 1660-1661.	3.0	20
42	An integrated pharmacokinetic and pharmacodynamic study of arsenite action2. Heme oxygenase induction in mice. Toxicology, 2005, 206, 389-401.	2.0	19
43	Arsenic, Oxidative Stress, and Carcinogenesis. , 2006, , 825-850.		19
44	Pharmacokinetics and Dosimetry of the Antiandrogen Vinclozolin after Oral Administration in the Rat. Toxicological Sciences, 2008, 106, 55-63.	1.4	19
45	The oxidation of 4-aminobiphenyl by horseradish peroxidase. Chemical Research in Toxicology, 1992, 5, 340-345.	1.7	18
46	Accumulation of pyrethroid compounds in primary cultures from rat cortex. Toxicology in Vitro, 2010, 24, 2053-2057.	1.1	18
47	Environmentally relevant pyrethroid mixtures: A study on the correlation of blood and brain concentrations of a mixture of pyrethroid insecticides to motor activity in the rat. Toxicology, 2016, 359-360, 19-28.	2.0	18
48	Estimation of human percutaneous bioavailability for two novel brominated flame retardants, 2-ethylhexyl 2,3,4,5-tetrabromobenzoate (EH-TBB) and bis(2-ethylhexyl) tetrabromophthalate (BEH-TEBP). Toxicology and Applied Pharmacology, 2016, 311, 117-127.	1.3	17
49	From the Cover: Genomic Effects of Androstenedione and Sex-Specific Liver Cancer Susceptibility in Mice. Toxicological Sciences, 2017, 160, 15-29.	1.4	15
50	In vitro metabolism of the anti-androgenic fungicide vinclozolin by rat liver microsomes. Archives of Toxicology, 2012, 86, 413-421.	1.9	14
51	Time and concentration dependent accumulation of [3H]-deltamethrin in Xenopus laevis oocytesâˆ†. Toxicology Letters, 2005, 157, 79-88.	0.4	13
52	Liquid chromatography determination of the anti-androgen vinclozolin and its metabolites in rat serum. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 809, 105-110.	1.2	12
53	In vivo dermal absorption of pyrethroid pesticides in the rat. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2016, 79, 83-91.	1.1	12
54	The biological fate of decabromodiphenyl ethane following oral, dermal or intravenous administration. Xenobiotica, 2017, 47, 894-902.	0.5	12

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55	2,4,6-Tribromophenol Disposition and Kinetics in Rodents: Effects of Dose, Route, Sex, and Species. Toxicological Sciences, 2019, 169, 167-179.	1.4	11
56	Toxicology and Epidemiology of Arsenic and its Compounds. , 0, , 237-275.		9
57	Tissue time course and bioavailability of the pyrethroid insecticide bifenthrin in the Long-Evans rat. Xenobiotica, 2016, 46, 430-438.	0.5	9
58	Dermal disposition of Tetrabromobisphenol A Bis(2,3-dibromopropyl) ether (TBBPA-BDBPE) using rat and human skin. Toxicology Letters, 2019, 301, 108-113.	0.4	9
59	Human and ecological health effects of nanoplastics: May not be a tiny problem. Current Opinion in Toxicology, 2021, 28, 43-48.	2.6	7
60	Characterization of covalent binding of N'-nitrosonornicotine in rat liver microsomes. Carcinogenesis, 1986, 7, 3-8.	1.3	6
61	In vitro intestinal toxicity of commercially available spray disinfectant products advertised to contain colloidal silver. Science of the Total Environment, 2020, 728, 138611.	3.9	5
62	Genomic comparisons between hepatocarcinogenic and non-hepatocarcinogenic organophosphate insecticides in the mouse liver. Toxicology, 2022, 465, 153046.	2.0	4
63	Age-Related Percutaneous Penetration of 2-sec-Butyl-4,6-dinitrophenol (Dinoseb) in Rats. Toxicological Sciences, 1992, 19, 258-267.	1.4	2
64	Mutagenic activity of biliary metabolites of 6-hydroxymethylbenzo[a]pyrene. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1986, 173, 251-256.	1.2	1
65	Extrapolating Dose in Vitro to Dose in Vivo of a Neurotoxic Pyrethroid Pesticide Using Empirical Approaches and a PBPK Model. ACS Symposium Series, 2012, , 229-241.	0.5	0